

10/513699

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NEWS	4	NOV 26 CHEMSAFE now available on STN Easy	
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NEWS	12	FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING	
NEWS	13	FEB 06 Patent sequence location (PSL) data added to USGENE	
NEWS	14	FEB 10 COMPENDEX reloaded and enhanced	
NEWS	15	FEB 11 WTEXTILES reloaded and enhanced	
NEWS	16	FEB 19 New patent-examiner citations in 300,000 CA/CAplus patent records provide insights into related prior art	
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NEWS	18	FEB 23 Several formats for image display and print options discontinued in USPATFULL and USPAT2	
NEWS	19	FEB 23 MEDLINE now offers more precise author group fields and 2009 MeSH terms	
NEWS	20	FEB 23 TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms	
NEWS	21	FEB 23 Three million new patent records blast AEROSPACE into STN patent clusters	
NEWS	22	FEB 25 USGENE enhanced with patent family and legal status display data from INPADOCDB	
NEWS	23	MAR 06 INPADOCDB and INPAFAMDB enhanced with new display formats	
NEWS	24	MAR 11 EPFULL backfile enhanced with additional full-text applications and grants	

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NEWS 25 MAR 11 ESBIOBASE reloaded and enhanced

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

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STRUCTURE FILE UPDATES: 15 MAR 2009 HIGHEST RN 1121544-94-2
DICTIONARY FILE UPDATES: 15 MAR 2009 HIGHEST RN 1121544-94-2

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

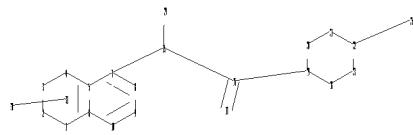
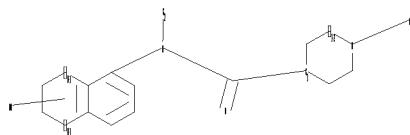
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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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10/513699



chain nodes :

15 16 17 25 29 30

ring nodes :

1 2 3 4 5 6 7 8 9 10 18 19 20 21 22 23

chain bonds :

7-15 15-16 15-29 16-17 16-19 22-25

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 18-19 18-23 19-20 20-21
21-22 22-23

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 7-15 15-16 15-29 16-17 16-19 18-19 18-23 19-20
20-21 21-22 22-23 22-25

normalized bonds :

5-6 5-7 6-10 7-8 8-9 9-10

isolated ring systems :

containing 1 : 18 :

G1:C,N

G2:C,H

Match level :

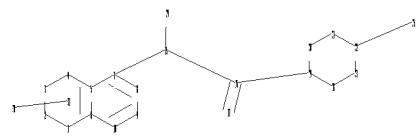
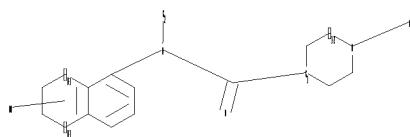
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15:CLASS 16:CLASS 17:CLASS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom
25:CLASS 29:CLASS 30:CLASS 31:Atom

L1 STRUCTURE UPLOADED

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10/513699



chain nodes :

15 16 17 25 29 30

ring nodes :

1 2 3 4 5 6 7 8 9 10 18 19 20 21 22 23

chain bonds :

7-15 15-16 15-29 16-17 16-19 22-25

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 18-19 18-23 19-20 20-21
21-22 22-23

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 7-15 15-16 15-29 16-17 16-19 18-19 18-23 19-20
20-21 21-22 22-23 22-25

normalized bonds :

5-6 5-7 6-10 7-8 8-9 9-10

isolated ring systems :

containing 1 : 18 :

G1:C,N

G2:C,H

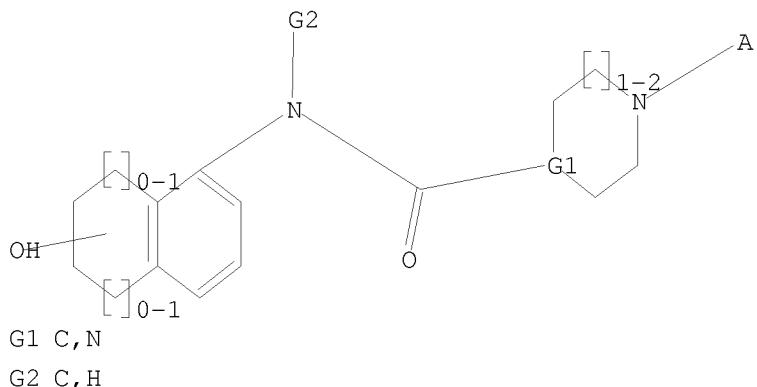
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25:CLASS 29:CLASS 30:CLASS 31:Atom

=> d 11

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11 full

FULL SEARCH INITIATED 18:59:16 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 127704 TO ITERATE

100.0% PROCESSED 127704 ITERATIONS
SEARCH TIME: 00.00.05

17 ANSWERS

L2 17 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS
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SINCE FILE ENTRY	TOTAL SESSION
185.88	186.10

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FILE COVERS 1907 - 16 Mar 2009 VOL 150 ISS 12
FILE LAST UPDATED: 15 Mar 2009 (20090315/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

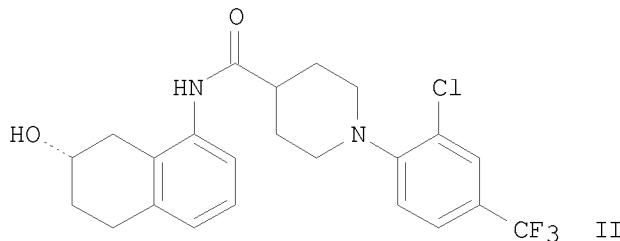
=> s l2 full
L3 1 L2

=> d ibib abs hitstr tot

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2005:395272 CAPLUS
 DOCUMENT NUMBER: 142:447019
 TITLE: Preparation of tetrahydronaphthalene and urea derivatives as VR1 antagonists for the prophylaxis and treatment of diseases associated with VR1 activity, such as urological diseases, pain and inflammatory diseases
 INVENTOR(S): Bouchon, Axel; Diedrichs, Nicole; Hermann, Achim; Lustig, Klemens; Meier, Heinrich; Pernerstorfer, Josef; Reissmueller, Elke; De Vry, Jean; Mogi, Muneto; Urbahns, Klaus; Yura, Takeshi; Fujishima, Hiroshi; Tajimi, Masaomi; Yamamoto, Noriyuki; Yuasa, Hiroaki; Gupta, Jang; Tsukimi, Yasuhiro; Hayashi, Fumihiro
 PATENT ASSIGNEE(S): Bayer Healthcare Ag, Germany
 SOURCE: PCT Int. Appl., 76 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005040119	A1	20050506	WO 2004-EP10606	20040922
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2540647	A1	20050506	CA 2004-2540647	20040922
EP 1670761	A1	20060621	EP 2004-765478	20040922
EP 1670761	B1	20090128		
R: DE, ES, FR, GB, IT				
JP 2007508255	T	20070405	JP 2006-530003	20040922
US 20070167458	A1	20070719	US 2006-574122	20061122
PRIORITY APPLN. INFO.:			EP 2003-22235	A 20031001
			EP 2003-25570	A 20031108
			WO 2004-EP10606	W 20040922

OTHER SOURCE(S): CASREACT 142:447019; MARPAT 142:447019
 GI



AB This invention relates to title compds. of formula A-NH-CO-E (I) [wherein A = 7-hydroxy-5,6,7,8-tetrahydronaphthalen-1-yl, 5,6-(un)substituted naphthalen-1-yl, indan-1-yl, etc.; E = (un)substituted piperidin-4-yl, piperazin-4-yl] and tautomeric or stereoisomers and salts thereof, which are useful as active ingredients of pharmaceutical preps. I have been synthesized as VR1 antagonists, and can be used for the prophylaxis and treatment of diseases associated with VR1 activity, in particular for the treatment of urol. disorders or diseases, pain and inflammatory disorders or diseases. Thus, acylation of ((7S)-7-Hydroxy-5,6,7,8-tetrahydronaphthalen-1-yl)amine with 1-(2-Chloro-4-trifluoromethylphenyl)piperidine-4-carboxylic acid gave II in 28% yield. The effects of the compds. were examined in the following several assays and pharmacol. tests: measurement of capsaicin-induced Ca^{2+} influx in a human VR1-transfected CHO cell line and in primary cultured rat dorsal root ganglia neurons, resp., measurement of capsaicin-induced bladder contraction, measurement of overactive bladder in anesthetized cystitis rats, measurement of acute pain, persistent pain, neuropathic pain, inflammatory pain and diabetic neuropathic pain (only the first assay had data). II showed an $\text{IC}_{50} \leq 0.1 \mu\text{M}$ in the first assay. Specifically disclosed applications of I include the treatment of detrusor overactivity (overactive bladder), urinary incontinence, neurogenic detrusor overactivity (detrusor hyperflexia), idiopathic detrusor overactivity (detrusor instability), benign prostatic hyperplasia, and lower urinary tract symptoms; chronic pain, neuropathic pain, postoperative pain, rheumatoid arthritic pain, neuralgia, neuropathies, algesia, nerve injury, ischemia, neurodegeneration, stroke, and inflammatory disorders such as asthma and chronic obstructive pulmonary (or airways) disease (COPD).

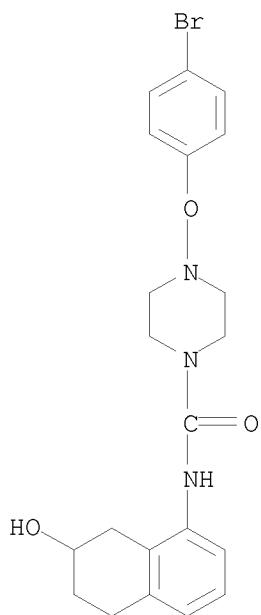
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 1044166-15-5 1044166-18-8 1044166-31-5
 1044166-32-6 1044166-33-7 1044166-34-8
 1044166-43-9 1044166-45-1

RL: PRPH (Prophetic)

(Preparation of tetrahydronaphthalene and urea derivatives as VR1 antagonists for the prophylaxis and treatment of diseases associated with VR1 activity, such as urological diseases, pain and inflammatory diseases)

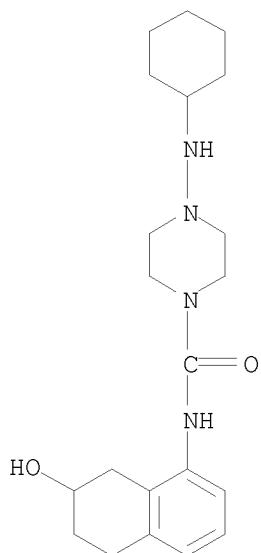
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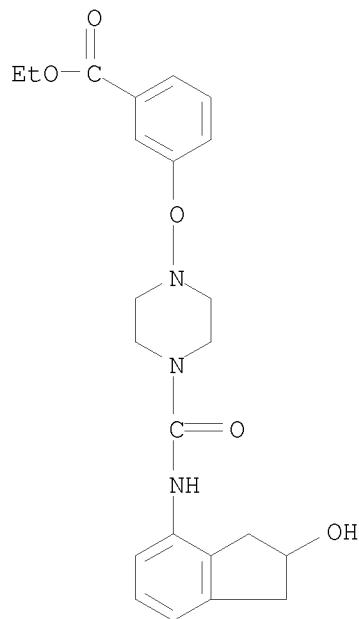
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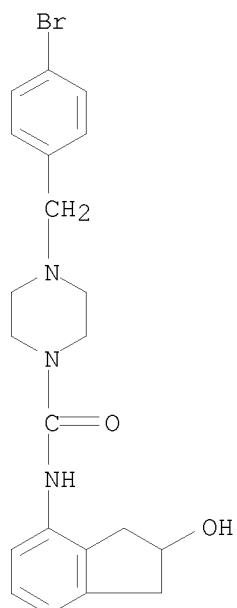
RN 1044165-74-3 CAPLUS

CN Benzoic acid, 3-[(4-[(2,3-dihydro-2-hydroxy-1H-inden-4-yl)amino]carbonyl)-1-piperazinyl]oxy]-, ethyl ester (CA INDEX NAME)



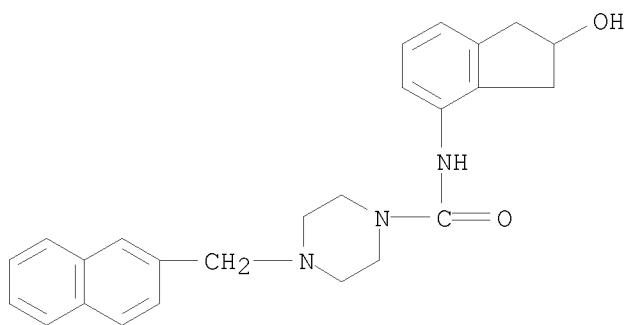
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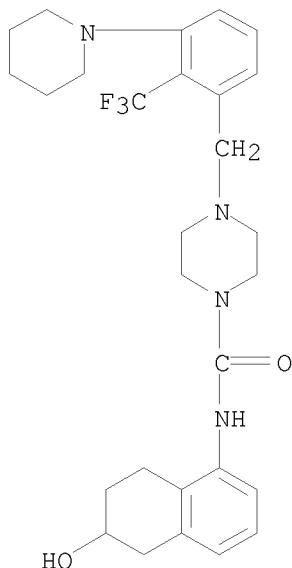


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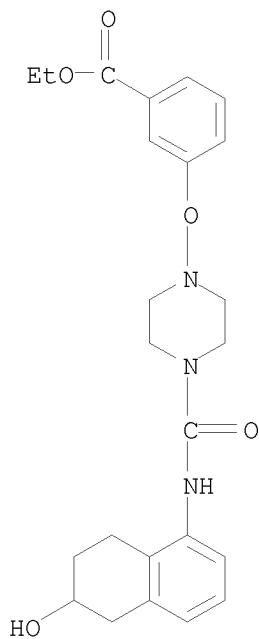
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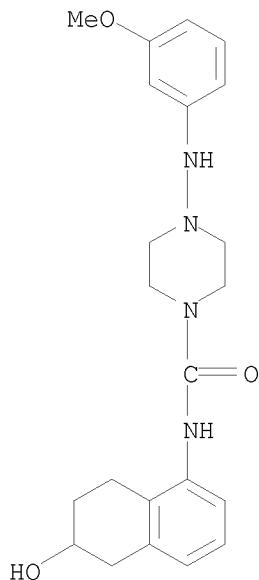


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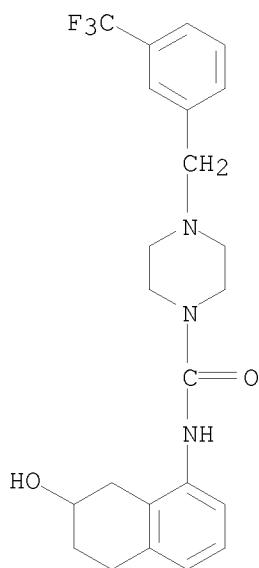
RN 1044165-94-7 CAPLUS

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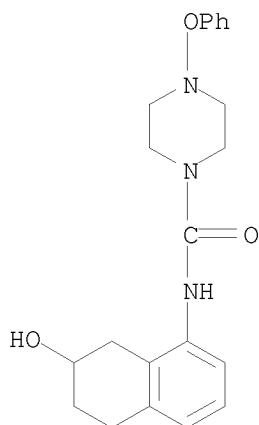
RN 1044166-12-2 CAPLUS

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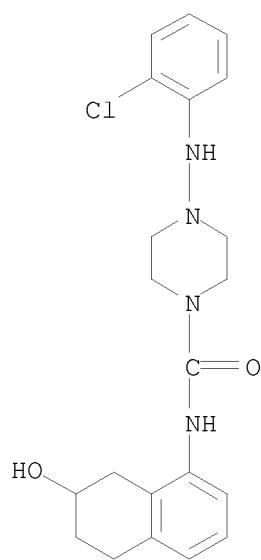
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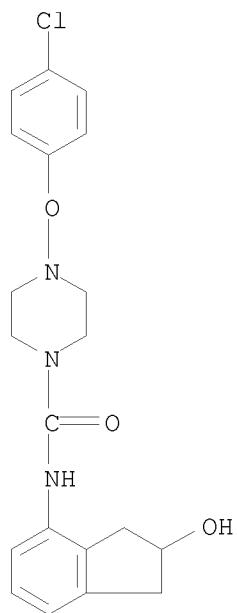


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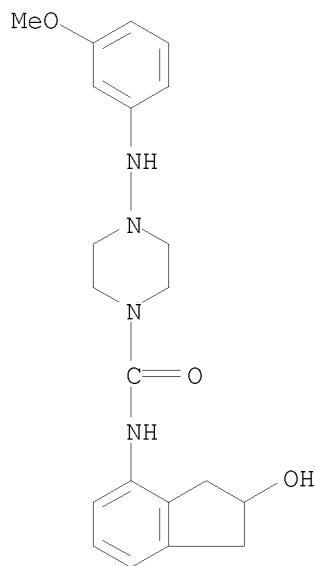


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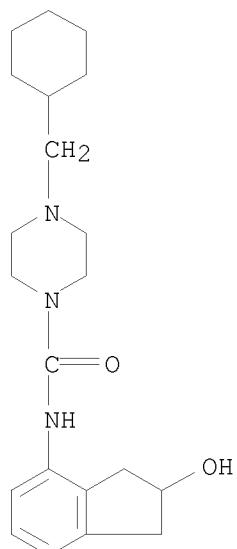
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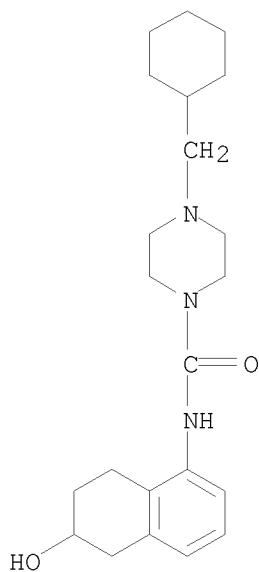
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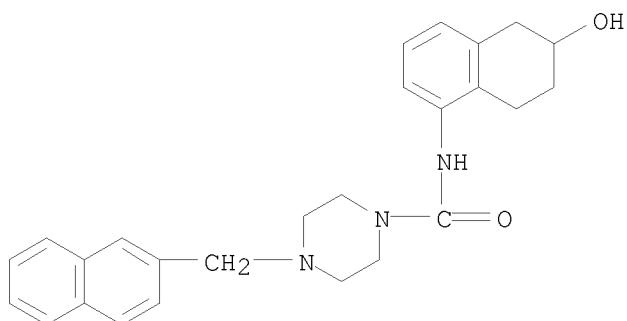
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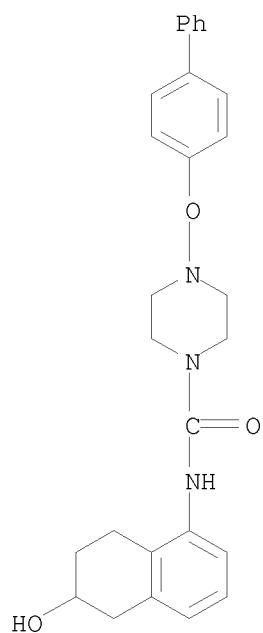
RN 1044166-43-9 CAPLUS

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RN 1044166-45-1 CAPLUS

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REFERENCE COUNT:

7

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'HOME' ENTERED AT 18:58:29 ON 16 MAR 2009)

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L1 STRUCTURE UPLOADED
L2 17 S L1 FULL

FILE 'CAPLUS' ENTERED AT 18:59:24 ON 16 MAR 2009

L3 1 S L2 FULL

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.14	192.24

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.82	-0.82

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